



# SEQUENCE LISTING

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Wiltshire, Vite Rose  
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<120> PRION-BINDING LIGANDS AND METHODS OF USING SAME

<130> 18242-507

<140> 09/543,188

<141> 2000-04-05

<160> 39

<170> PatentIn Ver. 2.1

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<223> Description of Artificial Sequence: Prion Protein  
Amino Acid Sequence

<400> 1

Gly Trp Gly Gln Pro His Gly Gly  
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Amino Acid Sequence

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<223> Description of Artificial Sequence: Synthetic  
Peptide Sequence

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Leu Leu Ile Trp Ile Pro

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Peptide Sequence

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Trp Leu Tyr Trp Ile Pro  
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Peptide Sequence

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Trp Glu Phe Tyr Trp Phe  
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Peptide Sequence

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Tyr Val Phe Asn Trp Tyr  
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Leu Ala Trp Phe Trp Arg  
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Ser Phe Pro Tyr Tyr Tyr  
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Leu Glu Ile Arg Leu Ala  
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Ser Leu Glu Glu Tyr Val  
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Leu Arg Val Ile Ile Ser  
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Gln Leu Gly His Gln Trp  
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Pro Phe His Pro Gly  
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Trp Phe Pro His Phe Phe  
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Ile Gln Ile Trp Ile Phe  
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<210> 22

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Leu Trp Trp Leu Phe Val  
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<210> 23

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Ile Phe Phe Trp Ile Lys  
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<400> 28

Tyr Trp Phe Ile Tyr Ile  
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<210> 29

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<400> 29

Thr Gly Ile Pro Ile Ile  
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<210> 30

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<223> Description of Artificial Sequence: Synthetic  
Peptide Sequence

<400> 30

His Lys Glu Gln Gly Ala  
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<210> 31

<211> 5

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<223> Description of Artificial Sequence: Fragment of  
Prion Protein Amino Acid Sequence

<400> 31

His Gly Gly Gly Trp  
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<210> 32

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<223> Description of Artificial Sequence: Prion Protein  
Copper Binding Amino Acid Motif

<400> 32

His Gly Gly Gly  
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<210> 33

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Repeated Amino Acid Sequence

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Pro His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln  
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<210> 34

<211> 17

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Retro-Inverso Amino Acid Sequence

<400> 34

Asp Gly Gly His Pro Gln Gly Trp Gly Gly Gly His Pro Gln Gly Trp  
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Gly

<210> 35

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Phe Leu Leu His Pro Ile  
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His His His Pro Gln Thr  
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Arg Tyr His Val Tyr Phe  
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<223> Description of Artificial Sequence: Prion Binding  
Ligand Peptide Retro-Inverso Sequence

<400> 38

Phe Ile Trp Ile Gln Ile  
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<223> Description of Artificial Sequence: 3F4 Antibody  
Recognized Prion Protein Peptide Sequence

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Met Lys His Met  
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